

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF INDOOR STADIUM WITH ALL AMENITIES AT SAHAKARNAGAH IN WARD NO.08 KODIGEHALLI.

KODIGEHALLI SUB DIVISION

Client Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, PH

WORKSLIP RATE ANALYSIS

Estimate Amount:- 60000000.000

Approved Amount 65528471.000

Name of Contractor:- Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, PH anden, Vidyanarayana, Bangalore-560097

Tender premium:- (+)9.78%

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 0%	Total Rate	Add T.P (+)9.78%	Final Rate.
7	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 Pg No.6 Item No.2,10	Cum	Pg No.6 of KPWD S.R 2016-17	2.10	127.00	0	127.00	10.10	137.16	13.41	150.57
14	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Second Floor)	Sqm	Pg No.16 of KPWD S.R 2016-17	4.32	366.00	10	366.00	39.98	405.98	38.66	433.94
26	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Sqm	Pg No.16 of KPWD S.R 2016-17	4.34	256.00	10	266.00	31.98	297.98	28.10	315.38
33	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Headroom)	Sqm	Pg No.16 of KPWD S.R 2016-17	4.37	270.00	10	280.00	38.4	318.40	29.57	331.97

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)9.78%	Final Rate.
37	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticiser @3lts conforming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all	Cum	Pg No.13 of KPWD S.R 2016-17	4.12	6367.00	100	6407.00	517.36	6924.36	683.07	7667.43
42	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @ 0.391cum, with superplasticiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per directions of Engineer in charge of the work (Headroom)	Sqm	Pg No.14 of KPWD S.R 2016-17	4.20	514.00	10	524.00	41.98	565.92	55.35	621.27
46	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Tonne	Pg No.17 of KPWD S.R 2016-17	4.46.2	60607.00	472	61079.00	4886.32	65965.32	6451.41	72416.73
47	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Tonne	Pg No.17 of KPWD S.R 2016-17	4.46.2	60607.00	944	61551.00	4924.08	66475.08	6501.26	72976.34

SI No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)9.78%	Final Rate.
51	Providing and constructing load bearing wall with precast solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 conforming to IS 2185 (part 1):2005 and constructed with cement mortar 1:4, as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Sqm	Pg No.25 of KPWD S.R 2016-17	5.27.1	937.00	60	997.00	80.76	1076.76	105.31	1182.07
61	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)	Sqm	Pg No.114 of KPWD S.R 2016-17	15.30	177.00	0	177.00	14.10	191.10	18.70	209.86
62	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Sqm	Pg No.114 of KPWD S.R 2016-17	15.30	177.00	5	182.00	14.60	196.60	19.22	215.78
E5	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of PWD SR 2015-16) First Floor	kgs	Pg No.32 of KPWD S.R 2016-17	7.90	78.00	5	83.00	6.64	89.64	8.77	98.41

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E7	Fabricating, supplying and erecting M.S. Tubular Truss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification.	kgs	Pg No.40 of KPWD S.R 2016-17	7.29	110.00	10	120.00	9.6	129.60	12.67	142.27

[Signature]
Asst Engineer

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF INDOOR STADIUM WITH ALL AMENITIES AT SAHAKARNAGAR IN WARD NO.08 KODIGEHALLI, KODIGEHALLI SUB DIVISION

Client Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, DB sandra, Vidyanarayapura, Bangalore-560097

WORK SLIP-IV

Estimate Amount: 60000000.000

Approved Amount: 6528471

Amount of Contractors:

Under provision:

Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, DB sandra, Vidyanarayapura, Bangalore-560097

(+)% 78%

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Amount Paid in 1st RA Bill	Amount Paid in 2nd RA Bill	Amount Paid in 3rd RA Bill	Now to be Paid Quantity Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount								
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	1122.22	330.00	370332.6	1345.53	1345.53	330.00	444024.47	0.00	0.00	0.00	444024.47	73691.87	369361.84	0.00	0.00	74662.63		
7	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 Pg No 6 Item No 2.10	Cum	309.63	150.00	46444.5	759.50	387.04	150.00	58055.63	372.47	150.57	56083.83	114139.46	67694.96	99459.36	0.00	0.00	14680.09		
14	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Second Floor)	Sqm	21.84	400.00	8736	39.36	27.30	400.00	10920.00	12.06	433.94	5233.30	16153.30	7417.30	0.00	0.00	0.00	7417.30		
26	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Sqm	10.87	400.00	4348	443.61	13.59	400.00	5435.00	430.02	315.38	135617.19	141052.19	136704.19	0.00	0.00	0.00	136704.19		
33	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification and as per directions of Engineer in charge of the work (Headroom)	Sqm	0.96	450.00	432	8.28	1.20	450.00	540.00	7.08	331.97	2350.38	2890.38	2458.38	0	0	0	2458.38		

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount								
34	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisizer @ 3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications	Cum	317.59	7500.00	2381925	394.18	7500.00	2956350.00	0.00	0.00	0.00	0.00	2956350.00	374433.00	2725800	0	0	230550.00		
37	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisizer @ 3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground Floor level for roof slabs, staircase, lintels, beams, retaining walls, return wall, walls (an thick ness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets including cost of all materials, labour, HOM of machinery, curing, complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Cum	2.52	7500.00	18900	4.12	7500.00	23625.00	0.97	7667.43	7406.74	31031.74	12131.74	0	0	0	0	12131.74		
9	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete for beams, staircase, and roof with M-25	Cum	499.12	7500.00	3743400	500.51	7500.00	3753821.71	0.00	0.00	0.00	3753821.71	10421.71	0	1959541.82	1346174.96	448104.94			

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt							
42	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs. with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine superplasticiser @0.225kgs. machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per directions of Engineer in charge of the work (Headroom)	Sqm	0.72	700.00	504	6.48	0.90	700.00	630.00	5.58	621.27	3466.67	4096.67	0	0	0	3592.67		
45	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)	tonne	97.06	75000.00	7279500	116.60	116.60	75000.00	8744676.21	0.00	72416.73	0.00	8744676.21	3236250	5384378.33	0	124047.88		
46	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	tonne	26.90	72416.73	1948009.991	58.47	33.63	72416.73	2435012.49	24.85	72416.73	1799373.41	4234385.90	0	0	4216026.19	18359.71		
47	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Tonne	0.74	75000.00	55500	9.91	0.93	75000.00	69375.00	8.98	72976.34	655634.15	725009.15	0	0	0	669509.15		

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount								
51	Providing and constructing load bearing wall with precast solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 conforming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4 as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	sqm	66.76	1100.00	73436	161.33	83.45	1100.00	91795.00	77.88	1182.07	92059.86	183854.86	110418.86	0	0	0	110418.86		
56	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners, wherever required smooth rendering. Providing and removing scaffolding, including cost of	Sqm	1390.93	300.00	417279	1508.22	1508.22	300.00	452465.14	0.00	0.00	0.00	452465.14	35186.14	0	0	0	35186.14		
61	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of daadoing works with sand of approved quality, providing and removing scaffolding, including cost of	Sqm	67.14	270.00	18127.8	171.77	83.93	270.00	22659.75	87.84	209.86	18434.02	41093.77	33963.97	0.00	0.00	0.00	22965.97		
62	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of daadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Sqm	102.06	270.00	27556.2	171.77	127.58	270.00	34445.25	44.19	215.78	9535.80	43981.05	16424.85	0	0	0	16424.85		
77	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of daadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Sqm	620.26	2480.00	1538244.8	713.01	713.01	2480.00	1768268.52	0.00	0.00	0.00	1768268.52	230023.72	0	0	0	230023.72		
87	Providing and fixing skirting of 300mm high using prepolished water cut/gang saw of 19mm thick grey granite 0.5mm wide chamfered width and depth and fixing in CM 1:4 of 20mm thick after chipping the wallsete, complete and as per directions of Engineer in charge of the work (First Floor) (Reduced Rate)	m	161.17	800.00	128936	200.07	200.07	800.00	160056.00	0.00	0.00	0.00	160056.00	31120.00	0	0	0	31120.00		

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91	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification and as per directions of Engineer in charge of the work (First Floor) (Reduced Rate)	m	161.17	200.00	32234	200.07	200.07	200.00	40014.00	0.00	0.00	0.00	40014.00	7780.00	0	0	0	7780.00		
Grand total					18093845.89				21072169.17				23857364.31					2196138.22		

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(2196138.22/65528471)x100 =3.35%

Percentage of Workslip 3.35%

[Signature]
Assistant Engineer

Contractor

[Signature]
Assistant Executive Engineer
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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ಮುಖ್ಯ ಅಧೀನಾಧಿಕಾರಿ
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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF INDOOR STADIUM WITH ALL AMENITIES AT SAHA KARNAGAR IN WARD NO.08 KODIGEHALLI.

KODIGEHALLI SUB DIVISION

Client Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, DB

WORKSLIP RATE ANALYSIS

Estimate Amount:- 60000000.000

Approved Amount 65528471.000

Name of Contractor:- Sri Abbu Sambasiva Reddy #1-B-3, Sree Arcade Layout 4th Block, DB sandra, Vidyanarayapura, Bangalore-560097

Tender premium:- (+)9.78%

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37	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all	Cum	Pg No.13 of KPWD S.R 2016-17	4.12	6367.00	100	6467.00	617.86	6084.86	683.07	7667.43
42	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregates @ 0.391cum, with superplasticiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications and as per directions of Engineer in charge of the work (Headroom)	Sqm	Pg No.14 of KPWD S.R 2016-17	4.20	514.00	10	524.00	41.99	565.92	55.35	621.27
46	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Tonne	Pg No.17 of KPWD S.R 2016-17	4.46.2	60607.00	472	61079.00	4886.32	65965.32	6451.41	72416.73
47	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Tonne	Pg No.17 of KPWD S.R 2016-17	4.46.2	60607.00	944	61551.00	4924.08	66475.08	6501.26	72976.34

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)9.78%	Final Rate.
51	Providing and constructing load bearing wall with precast solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 conforming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4.as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Sqm	Pg No.25 of KPWD S.R.2016-17	5.27.1	937.00	60	997.00	79.76	1076.76	105.31	1182.07
61	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)	Sqm	Pg No.114 of KPWD S.R.2016-17	15.30	177.00	0	177.00	14.16	191.16	18.70	209.86
62	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Sqm	Pg No.114 of KPWD S.R.2016-17	15.30	177.00	5	182.00	14.66	196.66	19.22	215.78
E5	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of PWD SR 2015-16) First Floor	kgs	Pg No.32 of KPWD S.R.2016-17	7.90	78.00	5	83.00	6.64	89.64	8.77	98.41

SI No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)9.78%	Final Rate.
E6	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of PWD SR 2015-16) Second Floor	kgs	Pg No.32 of KPWD S.R 2016-17	7.90	78.00	10	88.00	7.04	95.04	9.29	104.33
E7	Fabricating, supplying and erecting M.S. Tubular Truss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification.	kgs	Pg No.40 of KPWD S.R 2016-17	7.29	110.00	10	120.00	9.6	129.60	12.67	142.27

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